

**WHAT WE CLAIM IS:**

1. A method of establishing access from a first processing apparatus, capable of sending and receiving data and of connecting to a first and a second network, to an application running on a second processing apparatus, capable of sending and receiving data and of connecting to the first and the second network, comprising the steps of: sending, on behalf of the first processing apparatus, data comprising a log-on request to the second processing apparatus via the first network; responding to the log-on request with a demand for authentication data to the first processing device; and replying to the demand by sending the authentication data from the first processing device, wherein at least one of the demand and the authentication data is sent via the second network, different to the first.

2. A method according to claim 1 in which the demand and the authentication data is sent via the second network.

3. A method according to claim 1 in which the demand and/or the authentication data are sent as an MMS message.

4. A method according to claim 3 in which the MMS message requests or provides a file containing predetermined information.

5. A method according to claim 4 in which data provided by the file is hashed.

6. A method according to claim 1 in which the first processing apparatus periodically sends a message via the

second network re-authenticating the log-on to the application.

7. A method according to claim 1 in which the second processing apparatus is a server.

8. A method according to claim 1 wherein the first and second networks differ by virtue of a lack of identity in regard to at least one characteristic selected from the group consisting of:

commercial control of access to a least part thereof;

at least one communication protocol employed therein;

transmission medium for data over at least a part thereof; and

intrinsically available frequency bandwidth for transmission of data over at least part thereof.

9. A system comprising at least a first processing apparatus which is capable of being connected, by a first network and a second network connection, to at least one second processing apparatus running an application to which access is gained from the first processing apparatus, the system being arranged to allow the first processing apparatus to initiate a log-on to the application by sending a log on request to the application on the second processing apparatus, the second processing apparatus being arranged to generate a demand for authentication data in response to the request and transmit the demand to the first processing apparatus and the first processing apparatus being arranged to transmit a reply to the demand including the authentication data to the second apparatus, the system

being arranged such that at least one of the log-on request, the demand and the reply to the demand is sent via the second network.

**10.** A processing apparatus for running an application onto which users can log-on and comprising a first transmitting means and a first receiving means arranged respectively to transmit and receive data across a first network, a second transmitting means and a second receiving means arranged respectively to transmit and receive data across a second network, different from the first network, and a processing means, at least one of the receiving means being arranged to receive a request to log-on to the application and pass the request to the processing means, the processing means being arranged to cause at least one of the transmitting means to transmit a demand for authentication data and at least one of the receiving means being arranged to receive a reply to the demand which is arranged to forward the reply to the processing means which is arranged to determine whether the authentication data has been supplied in the reply and to authenticate the log-on request accordingly, wherein at least one of the request, the demand and the response is sent using the second network.

**11.** An apparatus according to claim **10** in which the first transmitting means and first receiving means are arranged to communicate with the Internet.

**12.** An apparatus according to claim **10** in which the second transmitting means and the second receiving means are arranged to communicate with a wireless telecommunication network.

**13.** An apparatus according to claims **10** in which at least one of the demand and the reply are arranged to be sent as an MMS message.

**14.** A method of establishing access from a first processing apparatus to an application running on a second processing apparatus, the second apparatus being capable of being connected to a first network and a second network, the method comprising receiving a request to log-on to the application from at least one of the first and second networks, sending a demand for authentication data via at least one of the first and second networks and receiving a reply to the demand including the authentication data, via at least one of the first and second networks, and processing the authentication data to determine whether it is the demanded authentication data and authenticating the log-on request accordingly, wherein at least one of the request, the demand, and the reply is transmitted using the second network.

**15.** A processing apparatus arranged to generate a request to initiate a log-on with an application capable of being connected thereto via at least a first and a second network wherein the apparatus is arranged to generate a log-on request and transmit the request across at least one of the first and second networks, further arranged to receive a demand for authentication data in response to the request from at least one of the first and second networks, further arranged to process the demand and to generate a reply thereto including the authentication data and further arranged to send the reply across at least one of the first and second

networks, wherein the apparatus is arranged such that at least one of the request, the demand, and the reply is transmitted using the second network.

16. A method of establishing access to an application running on a processing apparatus from a first processing apparatus and capable of being connected to the application by a first network and a second network comprising generating a request to log-on to the application and transmitting the request across at least one of the networks; receiving a demand for authentication data in response to the request from at least one of the first and second networks; generating a reply to the demand including the authentication data and sending the reply across at least one of the first and second networks, wherein at least one of the request, the demand and the reply is transmitted using the second network.

17. A computer readable medium including instructions which, when read onto a computer, cause said computer to perform the method of claim 1.

18. A computer readable medium including instructions which, when read onto a computer, cause said computer to perform the method of claim 14.

19. A computer readable medium including instructions which, when read onto a computer, cause said computer to perform the method of claim 16.

20. A computer readable medium including instructions which, when read onto a computer, cause said computer to function as the processing apparatus of claim 9.

21. A computer readable medium including instructions which, when read onto a computer, cause said computer to function as the processing apparatus of claim 10.

22. A computer readable medium including instructions which when, read onto a computer, cause said computer to function as the processing apparatus of claim 15.

23. A method of making a connection from a computing device, capable of sending and receiving data and of connecting to a first and a second network, to an application running on a further computing device, capable of sending and receiving data and of connecting to the first and the second network, comprising the steps of: sending, on behalf of the computing device, data comprising a log-on request to the further computing device via the first network; responding to the log-on request with a demand for authentication data; and replying to the demand by sending the authentication data, wherein at least one of the demand and the authentication data are sent via the second network, different to the first.

24. A processing apparatus for running an application onto which users can log-on and comprising a first transmitting means and a first receiving means arranged respectively to transmit and receive data across the Internet, a second transmitting means and a second receiving means arranged respectively to transmit and receive data across a wireless telecommunication network, and a processing means, at least one of the receiving means being arranged to receive a request to log-on to

the application and pass the request to the processing means, the processing means being arranged to cause at least one of the transmitting means to transmit a demand for authentication data and at least one of the receiving means being arranged to receive a reply to the demand which is arranged to forward the reply to the processing means which is arranged to determine whether the authentication data has been supplied in the reply and to authenticate the log-on request accordingly, wherein at least one of the request, the demand and the response is adapted to be sent using the wireless telecommunication network.

**25.** A processing apparatus according to claim **24** in which at least one of the request, the demand and the response are sent as an MMS message.

**26.** A processing apparatus for running an application onto which users can log-on and comprising a first transmitter and a first receiver arranged respectively to transmit and receive data across a first network, a second transmitter and a second receiver arranged respectively to transmit and receive data across a second network, different from the first network, and a processor, at least one of the receivers being arranged to receive a request to log-on to the application and pass the request to the processor, the processor being arranged to cause at least one of the transmitters to transmit a demand for authentication data and at least one of the receivers being arranged to receive a reply to the demand which is arranged to forward the reply to the processor which is arranged to determine whether the authentication data has been supplied in the reply and to

authenticate the log-on request accordingly, wherein at least one of the request, the demand and the response is adapted to be sent using the second network.

27. A processing apparatus for running an application onto which users can log-on and comprising a first transmitter and a first receiver arranged respectively to transmit and receive data across the Internet, a second transmitter and a second receiver arranged respectively to transmit and receive data across a wireless telecommunication network, and a processor, at least one of the receiver being arranged to receive a request to log-on to the application and pass the request to the processor, the processor being arranged to cause at least one of the transmitter to transmit a demand for authentication data and at least one of the receiver being arranged to receive a reply to the demand which is arranged to forward the reply to the processor which is arranged to determine whether the authentication data has been supplied in the reply and to authenticate the log-on request accordingly, wherein at least one of the request, the demand and the response is adapted to be sent using the wireless telecommunication network.